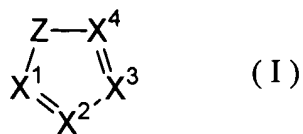


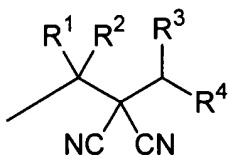
### Amendments to the Claims

1. (Original) A malononitrile compound represented by the formula (I):



wherein any one of  $X^1$ ,  $X^2$ ,  $X^3$  and  $X^4$  is  $CR^{100}$ ,

(wherein  $R^{100}$  represents a group represented by the formula:



wherein  $R^1$  represents C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, C2-C5 alkynyl optionally substituted with one or more halogen, or hydrogen,

$R^2$  represents C1-C5 alkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, C2-C5 alkynyl optionally substituted with one or more halogen, cyano or hydrogen,

$R^3$  and  $R^4$  each represent C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, C2-C5 alkynyl optionally substituted with one or more halogen, C3-C5 cycloalkyl optionally substituted with one or more halogen, C4-C5 cycloalkenyl optionally substituted with one or more halogen, or hydrogen,

or  $R^3$  and  $R^4$  are taken together to represent C2-C6 alkanediyl optionally substituted with one or more halogen or C4-C6 alkenediyl optionally substituted with one or more halogen),

the other three of  $X^1$ ,  $X^2$ ,  $X^3$  and  $X^4$  each represent nitrogen or  $CR^5$ , provided that one to three of  $X^1$ ,  $X^2$ ,  $X^3$  and  $X^4$  represent nitrogen,

Z represents oxygen, sulfur or  $NR^6$ ,

$R^5$  independently represents halogen, cyano, nitro, hydroxyl, mercapto, formyl,  $SF_5$ , carboxyl, C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl

optionally substituted with one or more halogen, C2-C5 alkynyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with halogen or one or more C1-C3 alkyl, C1-C5 alkoxy optionally substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-C5 alkylthio optionally substituted with one or more halogen, C3-C5 alkenylthio optionally substituted with one or more halogen, C3-C5 alkynylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, C2-C6 alkylcarbonyl optionally substituted with one or more halogen, C2-C5 alkoxycarbonyl optionally substituted with one or more halogen, a group represented by  $\text{NR}^{10}\text{R}^{11}$ , a group represented by  $\text{C}(=\text{X}^5)\text{NR}^{12}\text{R}^{13}$ , a group represented by  $(\text{CH}_2)_m\text{Q}$ , a group represented by  $\text{C}(=\text{NOR}^{17})\text{R}^{18}$ , a group represented by  $\text{C}(\text{OR}^{19})\text{R}^{20}\text{R}^{21}$ , or hydrogen,  $\text{R}^6$  represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkenyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, (C1-C5 alkoxy optionally substituted with one or more halogen)C1-C3 alkyl, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, C2-C6 alkylcarbonyl optionally substituted with one or more halogen, C2-C5 alkoxycarbonyl optionally substituted with one or more halogen, a group represented by  $\text{C}(=\text{X}^5)\text{NR}^{12}\text{R}^{13}$ , a group represented by  $(\text{CH}_2)_m\text{Q}$ , or hydrogen, and when two  $\text{CR}^5$ , or  $\text{CR}^5$  and  $\text{NR}^6$  are adjacent to each other, they may be taken together to represent C2-C6 alkanediyl or C4-C6 alkenediyl optionally substituted with one or more halogen, in which at least one methylene group forming the alkanediyl or the alkenediyl may be substituted with oxygen, sulfur or  $\text{NR}^7$ ,  $\text{R}^7$  represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkenyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, C2-C6 alkylcarbonyl optionally substituted with one or more halogen, C2-C5 alkoxycarbonyl optionally substituted with one or more halogen, or hydrogen,

$R^{10}$  and  $R^{11}$  each represent C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkenyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, (C1-C5 alkoxy optionally substituted with one or more halogen)C1-C3 alkyl, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, C2-C6 alkylcarbonyl optionally substituted with one or more halogen, C2-C5 alkoxycarbonyl optionally substituted with one or more halogen, or hydrogen,

or the group represented by  $NR^{10}R^{11}$  is 1-pyrrolyl,

$R^{12}$  and  $R^{13}$  each represent C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkenyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, a group represented by  $(CH_2)_mQ$ , or hydrogen,

or  $R^{12}$  and  $R^{13}$  are taken together to represent C2-C6 alkanediyl optionally substituted with one or more halogen or C4-C6 alkenediyl optionally substituted with one or more halogen,

$R^{17}$  and  $R^{18}$  each represent C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkenyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, a group represented by  $(CH_2)_mQ$ , or hydrogen,

$R^{19}$  represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkenyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, (C1-C5 alkoxy optionally substituted with one or more halogen)C1-C3 alkyl, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, C2-C6 alkylcarbonyl optionally substituted with one or more halogen, C2-C5 alkoxycarbonyl optionally substituted with one or more halogen, a group represented by  $C(=X^5)NR^{12}R^{13}$ , a group represented by  $(CH_2)_mQ$ , trialkylsilyl, or hydrogen,

$R^{20}$  and  $R^{21}$  each represent C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, C2-C5 alkynyl optionally

substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, or hydrogen,

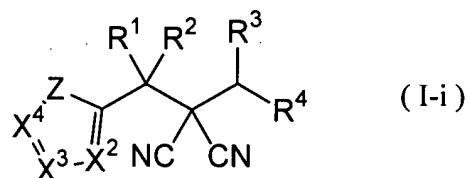
Q represents aryl optionally substituted with  $R^{14}$  n times,

$R^{14}$  independently represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C1-C5 alkylthio optionally substituted with one or more halogen, C3-C5 alkenylthio optionally substituted with one or more halogen, C3-C5 alkynylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, C2-C6 alkylcarbonyl optionally substituted with one or more halogen, C2-C5 alkoxy carbonyl optionally substituted with one or more halogen, or halogen,

m and n each represent an integer of 0 to 5, and

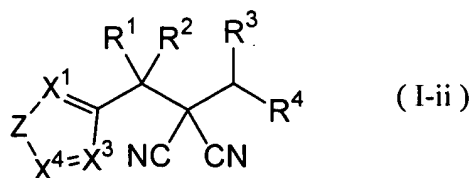
$X^5$  represents oxygen or sulfur.

2. (Original) The malononitrile compound according to claim 1, which is represented by the formula (I-i):



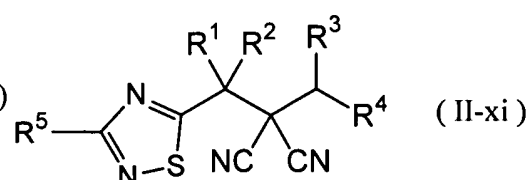
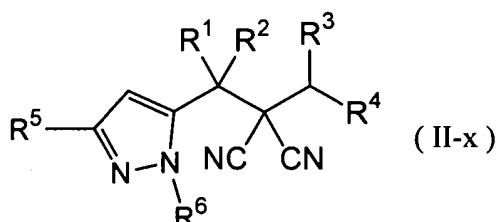
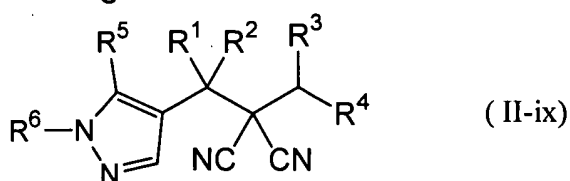
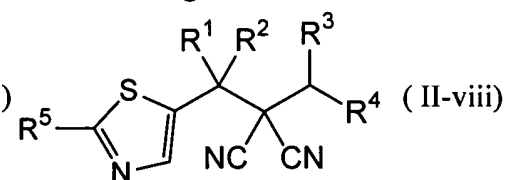
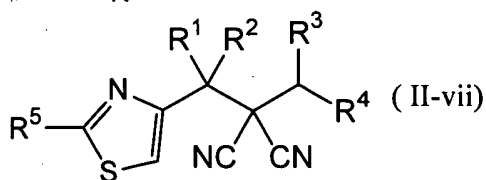
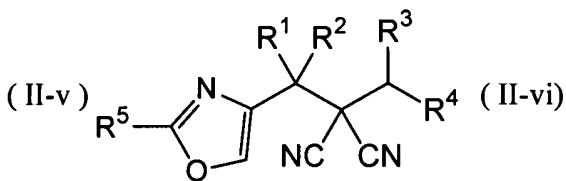
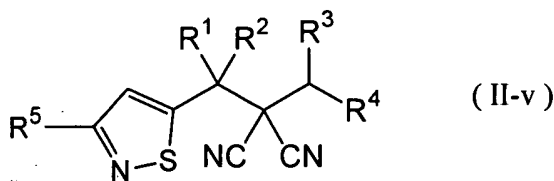
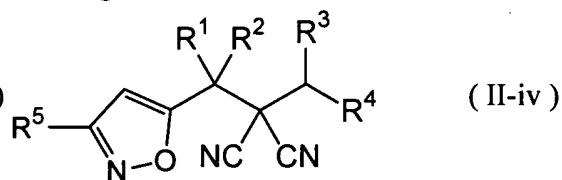
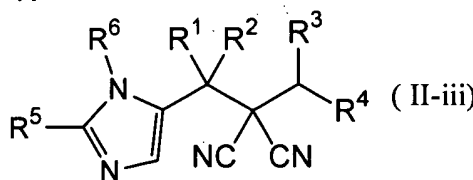
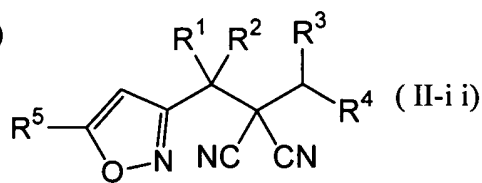
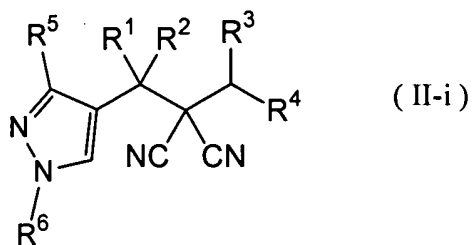
wherein  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$  and Z are as defined in claim 1, one to three of  $X^2$ ,  $X^3$  and  $X^4$  represent nitrogen and when one or two of  $X^2$ ,  $X^3$  and  $X^4$  represent nitrogen, the other two or one represents  $CR^5$ , and  $R^5$  is as defined in claim 1.

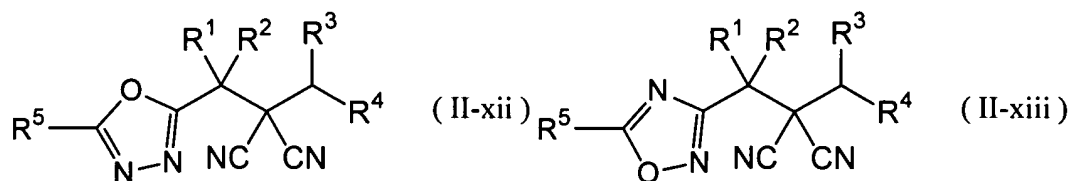
3. (Original) The malononitrile compound according to claim 1, which is represented by the formula (I-ii):



wherein  $R^1, R^2, R^3, R^4$  and  $Z$  are as defined in claim 1, one to three of  $X^1, X^3$  and  $X^4$  represent nitrogen and when one or two of  $X^1, X^3$  and  $X^4$  represent nitrogen, the other two or one represents  $CR^5$ , and  $R^5$  is as defined in claim 1.

4. (Original) The malononitrile compound according to claim 1, which is represented by any one of the formula (II-i) to (II-xiii):





wherein R<sup>1</sup> represents C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, C2-C5 alkynyl optionally substituted with one or more halogen, or hydrogen,

R<sup>2</sup> represents C1-C5 alkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, C2-C5 alkynyl optionally substituted with one or more halogen, cyano or hydrogen,

R<sup>3</sup> and R<sup>4</sup> each represent C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, C2-C5 alkynyl optionally substituted with one or more halogen, C3-C5 cycloalkyl optionally substituted with one or more halogen, C4-C5 cycloalkenyl optionally substituted with one or more halogen, or hydrogen,

or R<sup>3</sup> and R<sup>4</sup> are taken together to represent C2-C6 alkanediyl optionally substituted with one or more halogen or C4-C6 alkenediyl optionally substituted with one or more halogen,

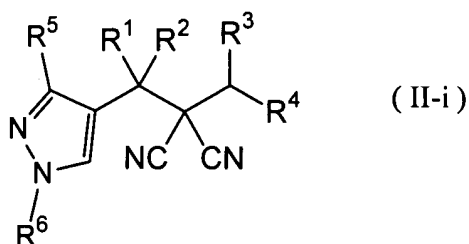
R<sup>5</sup> represents halogen, cyano, nitro, formyl, SF<sub>5</sub>, C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, C2-C5 alkynyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen or one or more C1-C3 alkyl, C1-C5 alkoxy optionally substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-C5 alkylthio optionally substituted with one or more halogen, C3-C5 alkenylthio optionally substituted with one or more halogen, C3-C5 alkynylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, C2-C6 alkylcarbonyl optionally substituted with one or more halogen, a group represented by C(OR<sup>19</sup>)R<sup>20</sup>R<sup>21</sup>, or hydrogen,

R<sup>6</sup> represents C1-C5 alkyl optionally substituted with one or more halogen,

R<sup>19</sup> represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, or hydrogen, and R<sup>20</sup> and R<sup>21</sup> each represent C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen.

5. (Original) The malononitrile compound according to claim 4, wherein R<sup>1</sup> is hydrogen, R<sup>2</sup> is C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen, R<sup>3</sup> and R<sup>4</sup> each are C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, or hydrogen, R<sup>5</sup> is halogen, C1-C5 alkyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-C5 alkylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, a group represented by C(OR<sup>19</sup>)R<sup>20</sup>R<sup>21</sup>, or hydrogen, R<sup>6</sup> is C1-C5 alkyl optionally substituted with one or more halogen, R<sup>19</sup> represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, or hydrogen, and R<sup>20</sup> and R<sup>21</sup> each represent C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen.

6. (Original) The malononitrile compound according to claim 1, which is represented by the formula (II-i):



wherein  $R^1$  represents C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, C2-C5 alkynyl optionally substituted with one or more halogen, or hydrogen,

$R^2$  represents C1-C5 alkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, C2-C5 alkynyl optionally substituted with one or more halogen, cyano or hydrogen,

$R^3$  and  $R^4$  each represent C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, C2-C5 alkynyl optionally substituted with one or more halogen, C3-C5 cycloalkyl optionally substituted with one or more halogen, C4-C5 cycloalkenyl optionally substituted with one or more halogen, or hydrogen,

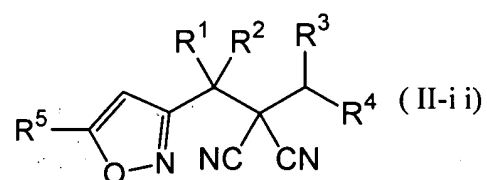
or  $R^3$  and  $R^4$  are taken together to represent C2-C6 alkanediyl optionally substituted with one or more halogen or C4-C6 alkenediyl optionally substituted with one or more halogen,

$R^5$  represents halogen, cyano, nitro, formyl,  $SF_5$ , C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, C2-C5 alkynyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen or one or more C1-C3 alkyl, C1-C5 alkoxy optionally substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-C5 alkylthio optionally substituted with one or more halogen, C3-C5 alkenylthio optionally substituted with one or more halogen, C3-C5 alkynylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, C2-C6 alkylcarbonyl optionally substituted with one or more



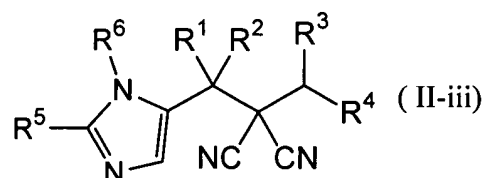
halogen a group represented by  $C(OR^{19})R^{20}R^{21}$ , or hydrogen,  $R^6$  represents C1-C5 alkyl optionally substituted with one or more halogen,  $R^{19}$  represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, or hydrogen, and  $R^{20}$  and  $R^{21}$  each represent C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen.

7. (Currently amended) ~~The~~ A malononitrile compound ~~according to claim 1,~~ which is represented by the formula (II-i):



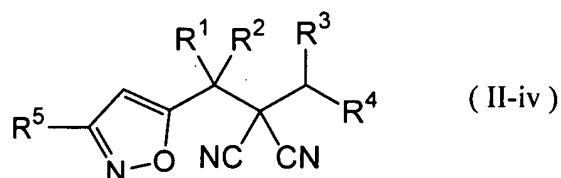
wherein  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$  and  $R^5$  are as defined in claim 6.

8. (Currently amended) ~~The~~ A malononitrile compound ~~according to claim 1,~~ which is represented by the formula (II-iii):



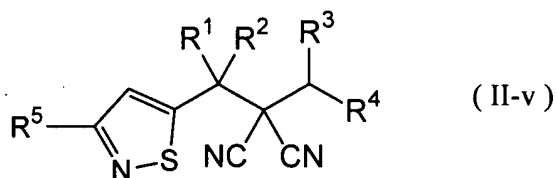
wherein  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$ ,  $R^5$  and  $R^6$  are as defined in claim 6.

9. (Currently amended) ~~The~~ A malononitrile compound ~~according to claim 1,~~ which is represented by the formula (II-iv):



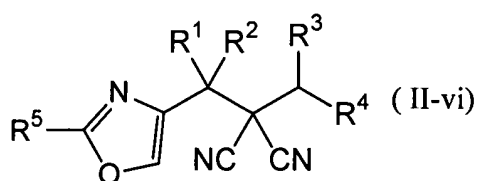
wherein  $R^1$ ,  $R^2$ ,  $R^3$ ,  $R^4$  and  $R^5$  are as defined in claim 6.

10. (Currently amended) ~~The~~ A malononitrile compound according to claim 1, which is represented by the formula (II-v):



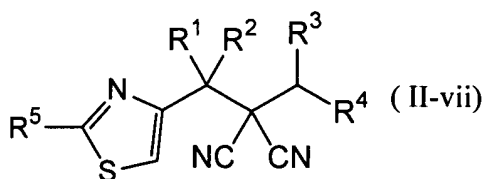
wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> are as defined in claim 6.

11. (Currently amended) ~~The~~ A malononitrile compound according to claim 1, which is represented by the formula (II-vi):



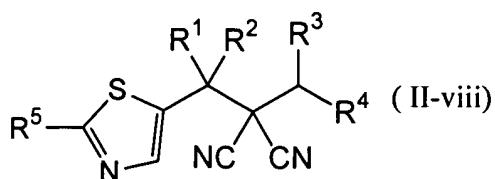
wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> are as defined in claim 6.

12. (Currently amended) ~~The~~ A malononitrile compound according to claim 1, which is represented by the formula (II-vii):



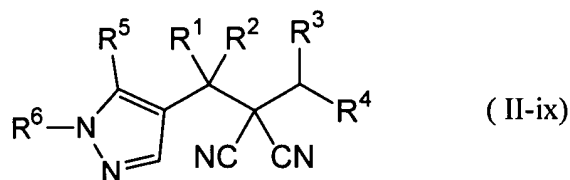
wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> are as defined in claim 6.

13. (Currently amended) ~~The~~ A malononitrile compound according to claim 1, which is represented by the formula (II-viii):



wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup> and R<sup>5</sup> are as defined in claim 6.

14. (Currently amended) ~~The~~ A malononitrile compound ~~according to claim 1,~~  
which is represented by the formula (II-ix):



wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup> and R<sup>6</sup> are as defined in claim 6.

15. (Currently amended) The malononitrile compound according to ~~any one of~~  
~~claims 6 to 14~~ claim 6, wherein R<sup>1</sup> is hydrogen,  
R<sup>2</sup> is C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen,  
R<sup>3</sup> and R<sup>4</sup> each are C1-C5 alkyl optionally substituted with one or more halogen, C2-C5  
alkenyl optionally substituted with one or more halogen, or hydrogen,  
R<sup>5</sup> is halogen, C1-C5 alkyl optionally substituted with one or more halogen, C3-C6  
cycloalkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally  
substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one  
or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-  
C5 alkylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl  
optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally  
substituted with one or more halogen, a group represented by C(OR<sup>19</sup>)R<sup>20</sup>R<sup>21</sup>, or  
hydrogen,  
R<sup>6</sup> is C1-C5 alkyl optionally substituted with one or more halogen,  
R<sup>19</sup> represents C1-C5 alkyl optionanlly substituted with one or more halogen, C3-C5  
alkynyl optionanlly substituted with one or more halogen, or hydrogen, and  
R<sup>20</sup> and R<sup>21</sup> each represent C1-C5 alkyl optionanlly substituted with one or more  
halogen, or hydrogen.

16. (Original) A pesticidal composition, which comprises an effective amount of  
the malononitrile compound according to claim 1 and an inert carrier.

17. (Original) A method for controlling a pest, which comprises applying an effective amount of the malononitrile compound according to claim 1 to said pest or a place where said pest inhabits.

18. (Original) A use of the malononitrile compound according to claim 1 as an active ingredient of a pesticidal composition.

19. (New) The malononitrile compound according to claim 7, wherein R<sup>1</sup> is hydrogen,  
R<sup>2</sup> is C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen,  
R<sup>3</sup> and R<sup>4</sup> each are C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, or hydrogen,  
R<sup>5</sup> is halogen, C1-C5 alkyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-C5 alkylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, a group represented by C(OR<sup>19</sup>)R<sup>20</sup>R<sup>21</sup>, or hydrogen,  
R<sup>6</sup> is C1-C5 alkyl optionally substituted with one or more halogen,  
R<sup>19</sup> represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, or hydrogen, and  
R<sup>20</sup> and R<sup>21</sup> each represent C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen.

20. (New) The malononitrile compound according to claim 8, wherein R<sup>1</sup> is hydrogen,  
R<sup>2</sup> is C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen,  
R<sup>3</sup> and R<sup>4</sup> each are C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, or hydrogen,

R<sup>5</sup> is halogen, C1-C5 alkyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-C5 alkylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, a group represented by C(OR<sup>19</sup>)R<sup>20</sup>R<sup>21</sup>, or hydrogen,

R<sup>6</sup> is C1-C5 alkyl optionally substituted with one or more halogen,

R<sup>19</sup> represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, or hydrogen, and

R<sup>20</sup> and R<sup>21</sup> each represent C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen.

21. (New) The malononitrile compound according to claim 9, wherein R<sup>1</sup> is hydrogen,

R<sup>2</sup> is C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen,

R<sup>3</sup> and R<sup>4</sup> each are C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, or hydrogen,

R<sup>5</sup> is halogen, C1-C5 alkyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-C5 alkylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, a group represented by C(OR<sup>19</sup>)R<sup>20</sup>R<sup>21</sup>, or hydrogen,

R<sup>6</sup> is C1-C5 alkyl optionally substituted with one or more halogen,

R<sup>19</sup> represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, or hydrogen, and

R<sup>20</sup> and R<sup>21</sup> each represent C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen.

22. (New) The malononitrile compound according to claim 10, wherein R<sup>1</sup> is hydrogen,  
R<sup>2</sup> is C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen,  
R<sup>3</sup> and R<sup>4</sup> each are C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, or hydrogen,  
R<sup>5</sup> is halogen, C1-C5 alkyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-C5 alkylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, a group represented by C(OR<sup>19</sup>)R<sup>20</sup>R<sup>21</sup>, or hydrogen,  
R<sup>6</sup> is C1-C5 alkyl optionally substituted with one or more halogen,  
R<sup>19</sup> represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, or hydrogen, and  
R<sup>20</sup> and R<sup>21</sup> each represent C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen.

23. (New) The malononitrile compound according to claim 11, wherein R<sup>1</sup> is hydrogen,  
R<sup>2</sup> is C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen,  
R<sup>3</sup> and R<sup>4</sup> each are C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, or hydrogen,  
R<sup>5</sup> is halogen, C1-C5 alkyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-

C5 alkylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, a group represented by  $C(OR^{19})R^{20}R^{21}$ , or hydrogen,

$R^6$  is C1-C5 alkyl optionally substituted with one or more halogen,

$R^{19}$  represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, or hydrogen, and

$R^{20}$  and  $R^{21}$  each represent C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen.

24. (New) The malononitrile compound according to claim 12, wherein  $R^1$  is hydrogen,

$R^2$  is C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen,

$R^3$  and  $R^4$  each are C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, or hydrogen,

$R^5$  is halogen, C1-C5 alkyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-C5 alkylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, a group represented by  $C(OR^{19})R^{20}R^{21}$ , or hydrogen,

$R^6$  is C1-C5 alkyl optionally substituted with one or more halogen,

$R^{19}$  represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, or hydrogen, and

$R^{20}$  and  $R^{21}$  each represent C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen.

25. (New) The malononitrile compound according to claim 13, wherein  $R^1$  is hydrogen,

$R^2$  is C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen,  
 $R^3$  and  $R^4$  each are C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, or hydrogen,  
 $R^5$  is halogen, C1-C5 alkyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-C5 alkylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, a group represented by  $C(OR^{19})R^{20}R^{21}$ , or hydrogen,  
 $R^6$  is C1-C5 alkyl optionally substituted with one or more halogen,  
 $R^{19}$  represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, or hydrogen, and  
 $R^{20}$  and  $R^{21}$  each represent C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen.

26. (New) The malononitrile compound according to claim 14, wherein  $R^1$  is hydrogen,  
 $R^2$  is C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen,  
 $R^3$  and  $R^4$  each are C1-C5 alkyl optionally substituted with one or more halogen, C2-C5 alkenyl optionally substituted with one or more halogen, or hydrogen,  
 $R^5$  is halogen, C1-C5 alkyl optionally substituted with one or more halogen, C3-C6 cycloalkyl optionally substituted with one or more halogen, C1-C5 alkoxy optionally substituted with one or more halogen, C3-C6 alkenyloxy optionally substituted with one or more halogen, C3-C6 alkynyloxy optionally substituted with one or more halogen, C1-C5 alkylthio optionally substituted with one or more halogen, C1-C5 alkylsulfinyl optionally substituted with one or more halogen, C1-C5 alkylsulfonyl optionally substituted with one or more halogen, a group represented by  $C(OR^{19})R^{20}R^{21}$ , or hydrogen,  
 $R^6$  is C1-C5 alkyl optionally substituted with one or more halogen,



$R^{19}$  represents C1-C5 alkyl optionally substituted with one or more halogen, C3-C5 alkynyl optionally substituted with one or more halogen, or hydrogen, and  $R^{20}$  and  $R^{21}$  each represent C1-C5 alkyl optionally substituted with one or more halogen, or hydrogen.